

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-21 (Cancelled)

Claim 22 (Previously Presented): An isolated and purified peptide consisting of 6-9 consecutive amino acids of residues 32-40 of a dengue virus M protein ectodomain, wherein the amino acid at position 36 of said ectodomain is substituted with phenylalanine.

Claim 23 (Previously Presented): The peptide of Claim 22, wherein said dengue virus M protein ectodomain is from serotype 1.

Claim 24 (Previously Presented): The peptide of Claim 22, wherein said dengue virus M protein ectodomain is from serotype 2.

Claim 25 (Previously Presented): The peptide of Claim 22, wherein said dengue virus M protein ectodomain is from serotype 3.

Claim 26 (Previously Presented): The peptide of Claim 22, wherein said dengue virus M protein ectodomain is from serotype 4.

Claim 27 (Previously Presented): The peptide of Claim 22, which consists of 6 or 7 amino acids.

Claim 28 (Previously Presented): The peptide of Claim 22, which consists of 8 or 9 amino acids.

Claim 29 (Previously Presented): The peptide of Claim 22, in which an L-amino acid has been replaced by a D-amino acid or where a glutamine has been replaced with a pyroglutamic acid.

Claim 30 (Previously Presented): The peptide of Claim 22, which has been conjugated to an immunogenic carrier.

Claim 31 (Previously Presented): The peptide of Claim 22, which has been conjugated to BSA.

Claim 32 (Previously Presented): The peptide of Claim 22, which has been conjugated to KLH.

Claim 33 (Previously Presented): A multimer of the peptide of Claim 22.

Claim 34 (Previously Presented): A fusion protein comprising the peptide of Claim 22 and an exogenous, non-dengue virus M protein, polypeptide.

Claim 35 (Previously Presented): The peptide of Claim 22 which is attached to a support.

Claim 36 (New): A method for the serological detection of a flavivirus infection comprising:

contacting a biological sample with a solid support to which the peptide of Claim 22 which has been bound, and

detecting the formation of peptide-antibody complexes,

wherein the formation of an peptide-antibody complex is indicative of flavivirus infection.